

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows:

~~Abstract~~ **ABSTRACT OF THE DISCLOSURE**

A network unit includes a cache memory for storing address pairs of frequently-occurring packet conversations through the unit. On a look-up request, a cache controller checks whether an address pair is held in the cache before allowing a normal look-up in a layer database. The controller has recourse to RMON statistics to update the cache by inserting address pairs of more frequent conversations in place of those for less frequent conversations.